Refrigerator
user manual

English

imagine the possibilities

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SAMSUNG

Free Standing Appliance

Code No. DA68-01817F REV(0.3)

features of your new refrigerator

KEY FEATURES OF YOUR NEW REFRIGERATOR

Your Samsung Refrigerator comes equipped with various innovative storage and energy-efficient features.

- **Twin Cooling System**

  The Refrigerator and Freezer have separate evaporators. Due to this independent cooling system, the Freezer and Refrigerator cool more efficiently.
  Additionally, this separate air flow system prevents food odor of one compartment from seeping into other compartments.

- **Bigger & Wider Space**

  The wide shelf area provides enough space for larger items.
  The wide freezer drawer also provides enough space for 2~3 turkeys.

- **Secure Auto Close**

  The Secure Auto Close feature will automatically close a door that is slightly open.

- **Digital Display and Temperature Control**

- **Door Alarm**

  A helpful beeper alerts you if a door is ajar.

SAMSUNG

For easy future reference, write the model and serial number down. You will find your model number and serial number on the left side of the refrigerator.

Model # _____
Serial # _____

SAFETY INFORMATION

WARNING
- Before operating the appliance, please read this manual thoroughly and retain it for your reference.

WARNING
- Because these following operating instructions cover various models, the characteristics of your refrigerator may differ slightly from those described in this manual.

CAUTION/WARNING SYMBOLS USED

WARNING	Indicates that a danger of death or serious injury exists.
CAUTION	Indicates that a risk of personal injury or material damage exists.

OTHER SYMBOLS USED

	Represents something you must NOT do.
	Represents something you must NOT disassemble.
	Represents something you must NOT touch.
	Represents something you must follow.
	Indicates that you must disconnect the power plug from the socket.
	Represents a ground is needed to prevent electric shock.
	It is recommended that this symbol be handled by service man.

These warning signs are here to prevent injury to you and others.
Please follow them explicitly.
After reading this section, keep it in a safe place for future reference.

- This refrigerator must be properly installed and located in accordance with the manual before it is used.
- Use this appliance only for its intended purpose as described in this instruction manual.
- We strongly recommend that any servicing be performed by a qualified individual.
- R600a or R134a can be used as a refrigerant. Check the compressor label on the rear of the appliance and the rating label inside the fridge to see which refrigerant is used for the refrigerator.

- In case of R600a refrigerant, this gas is natural gas with high environmental compatibility that is, however, also combustible. When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.
- Refrigerant squirting out of the pipes could ignite or cause an eye injury. If a leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.

safety information

WARNING

- In order to avoid the creation of a flammable gas-air mixture if a leak in the refrigerating circuit occurs, the size of the room in which the appliance may be sited depends on the amount of refrigerant used.
- Never start up an appliance showing any signs of damage. If in doubt, consult your dealer.
- The room must be 1㎥ in size for every 8g of R600a refrigerant inside the appliance.
- The amount of refrigerant in your particular appliance is shown on the identification plate inside the appliance.
- Please dispose of the packaging material for this product in an environmentally friendly manner.
- Pull the power plug out of the socket before changing the interior light of the refrigerator.
  - Otherwise, there is a risk of electric shock.

SEVERE WARNING SIGNS

WARNING

- Do not install the refrigerator in a damp place or place where it may come in contact with water.
  - Deteriorated insulation of electrical parts may cause an electric shock or fire.
- Do not place this refrigerator in direct sunlight or expose to the heat from stoves, room heaters or other appliance.
- Allow sufficient space to install the refrigerator on a flat surface.
  - If your refrigerator is not level, the internal cooling system may not work correctly.
- Do not plug several appliances into the same power socket. The refrigerator should always be plugged into its own individual electrical which has a voltage rating that matched the rating plate.
  - This provides the best performance and also prevents overloading house wiring circuits, which could cause a fire hazard from overheated wires.
- Never unplug your refrigerator by pulling on the power cord. Always grip plug firmly and pull straight out from the outlet.
  - Damage to the cord may cause a short-circuit, fire and/or electric shock.
- Make sure that the power plug is not squashed or damaged by the back of the refrigerator.
- Do not bend the power cord excessively or place heavy articles on it.
  - This constitutes a fire hazard.
- Have the power cord repaired or replaced immediately by the manufacturer or its service agent if power cord has become frayed or damaged.
- Do not use a cord that shows cracks or abrasion damage along its length or at either end.
- If the power cord is damaged, have it replaced immediately by the manufacturer or its service agent.
- When moving the refrigerator, be careful not to roll over or damage the power cord.
- Do not insert the power plug with wet hands.
- Unplug the refrigerator before cleaning and making repairs.
- Do not use a wet or damp cloth when cleaning the plug.
- Remove any foreign matter or dust from the power plug pins.
  - Otherwise there is a risk of fire.
- If the refrigerator is disconnected from the power supply, you should wait for at least ten minutes before plugging it back.
- If the wall socket is loose, do not insert the power plug.
  - There is a risk of electric shock or fire.
- The appliance must be positioned so that the plug is accessible after installation.

safety information

- The refrigerator must be grounded.
  - You must ground the refrigerator to prevent any power leakages or electric shocks caused by current leakage from the refrigerator.
- Never use gas pipes, telephone lines or other potential lightening rods as ground.
  - Improper use of the ground plug can result in electric shock.
- Do not dissemble or repair the refrigerator by yourself.
  - You run risk of causing a fire, malfunction and/or personal injury.
- If you smell pharmaceutical or smoke, pull out power plug immediately and contact your Samsung electronics service center.
- Keep ventilation opening in the appliance enclosure or mounting structure clear of obstruction.
- Do not use mechanical devices or any other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.
- Do not place or use electrical appliance inside the refrigerator/freezer, unless they are of a type recommended by the manufacturer.
- Before changing the interior light, unplug the appliance from the power supply.
- If you experience difficulty when changing the light, contact your service center.
- The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Do not let children hang on the door. If not, a serious injury may occur.
- Do not touch the inside walls of the freezer or products stored in the freezer with wet hands.
  - This may cause frostbite.
- If the refrigerator is not to be used for a long period of time, pull out the power plug.
  - Deterioration in the power cord insulation may cause fire.
- Do not store articles on the top of the appliance.
  - When you open or close the door, the articles may fall and cause personal injury and/or material damage.

CAUTION SIGNS

CAUTION

- This product is intended only for the storage of food in a domestic environment.
- Manufacturer's recommended storage times and expiry dates of frozen foods should be adhered to. Refer to relevant instructions
- Bottles should be stored tightly together so that they do not fall out.
- Do not place carbonated or fizzy drinks in the freezer compartment
- Do not overfill the refrigerator with food.
  - When you open the door, an item may fall out and cause personal injury or material damage.
- Do not put bottles or glass containers in the freezer.
  - When the contents freeze, the glass may break and cause personal injury.
- Do not spray inflammable gas near the refrigerator.
  - There is a risk of explosion or fire.
- Do not directly spray water inside or outside the refrigerator.
  - There is a risk of fire or electric shock.

- Do not store volatile or flammable substances in the refrigerator.
  - The storage of benzene, thinner, alcohol, ether, LP gas and other such products may cause explosions.
- Do not re-freeze frozen foods that have thawed completely.
- Do not store pharmaceuticals products, scientific materials or temperature-sensitive products in the refrigerator.
  - Products that require strict temperature controls must not be stored in the refrigerator.
- Do not put a container filled with water on the refrigerator.
  - If spilled, there is a risk of fire or electric shock.

CAUTION SIGNS FOR CLEANING

- Do not insert your hands into the bottom area under the appliance.
  - Any sharp edges may cause personal injury.
- Do not use a wet or damp cloth when cleaning the plug, remove any foreign material or dust from the power plug pins.
  - Otherwise there is a risk of fire.

WARNING SIGNS FOR DISPOSAL

- When disposing of this or other refrigerators, remove the door/door seals, door latch so that small children or animals cannot become trapped inside.
- Leave the shelves in place so that children may not easily climb inside.
- R600a or R134a is used as a refrigerant. Check the compressor label on the rear of the appliance or the rating label inside the fridge to see which refrigerant is used for your refrigerator. When this product contains flammable gas(Refrigerant R600a) contact your local authority in regard to safe disposal of this product.
- Cyclopentane is used as a insulation blowing gas. The gases in insulation material require special disposal procedure. Please contact your local authorities in regard to the environmentally safe disposal of this product. Ensure that none of the pipes on the back of the appliances are damaged prior to disposal. The pipes shall be broke in the open space.

CAUTION In the event of a power failure, call the local office of your Electricity Company and ask how long it is going to last.

Most power failures that are corrected in an hour or two will not affect your refrigerator temperatures.

However, you should minimize the number of door openings while the power is off.

But should the power failure last more than 24hours, remove all frozen food.

For doors or lids fitted with locks and keys, the keys be kept out of the reach of children and not in the vicinity of the refrigerating appliance, in order to prevent children from being locked inside.

ADDITIONAL TIPS FOR PROPER USAGE

- Allow the appliance to stand for 2 hours after installation.
- To get best performance of product,
  - Do not place foods too closely in front of the vents at the rear of the appliance as it can obstruct free air circulation in the freezer compartment.
  - Wrap the food up properly or place it in airtight containers before put it into the fridge freezer
  - Do not put any newly introduced food for freezing near to already frozen food.
- There is no need to disconnect the refrigerator from the power supply if you will be away for less than three weeks. But, remove all the food if you are going away for the three weeks or more. Unplug the refrigerator and clean it, rinse and dry.
- The appliance might not operate consistently (possibility of defrosting of contents or temperature becoming too warm in the frozen food compartment) when sited for an extended period of time below the cold end of the range of temperatures for which the refrigerating appliance is designed.
- Do not store food which goes bad easily at low temperature, such as bananas, melons.
- Place the ice tray at the originally provided position by manufacturer in order to achieve optimal ice-freezing.
- Your appliance is frost free, which means there is no need to manually defrost your appliance, as this will be carried out automatically.
- Temperature rising during the defrost can comply with ISO requirement. But If you want to prevent an undue rise in the temperature of the frozen food while defrosting the appliance, please wrap the frozen food in several layers of paper such as newspaper.
- Any increase in temperature of frozen food during defrosting can shorten its storage life.
- Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
- Foam blown with fluorinated greenhouse gases.

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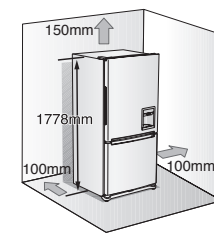
setting up your refrigerator

GETTING READY TO INSTALL THE REFRIGERATOR

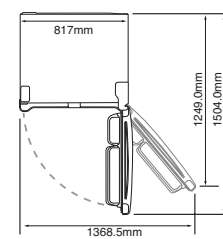
Congratulations on your purchase of this Samsung Refrigerator. We hope you enjoy the state-of-art features and efficiencies that this new appliance offers.

Selecting the best location for the Refrigerator

- A location with easy access to the water supply.
- A location without direct exposure to sunlight.
- A location with level (or nearly level) flooring.
- A location with enough space for the Refrigerator doors to open easily.
- Allow sufficient space for air circulation of the internal cooling system. If the Refrigerator does not have enough space, the internal cooling system may not work properly.



First thing! Make sure that you can easily move your Refrigerator to its final location by measuring doorways (both width and height), thresholds, ceilings, stairways, etc.



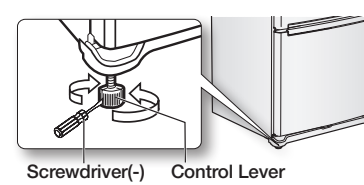
- Allow clearance to the right, left, back and top when installing. This will help reduce power consumption and keep your energy bills lower.
- If you install the Refrigerator where is below 10ºC, it may not function in optimum level.

CAUTION

When moving your refrigerator

To prevent floor damage be sure the front leveling legs are in the up position(above the floor).

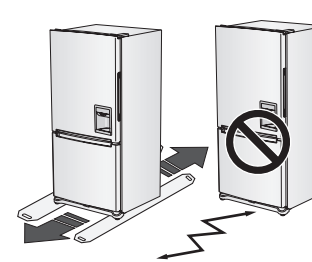
Refer to 'Leveling the refrigerator' in the manual (on page 17)



FLOORING

For proper installation, this refrigerator must be placed on a level surface of hard material that is the same height as the rest of the flooring. This surface should be strong enough to support a fully loaded refrigerator, or approximately 106kg.

To protect the finish of the flooring, cut a large section of the cardboard carton and place under the refrigerator where you are working. When moving the refrigerator, be sure to pull it straight out and return it to position by pushing it straight in.



INSTALLATION OF THE WATER LINE (AUTO ICE MAKER MODEL)

Before you install the water line

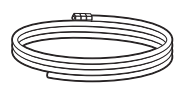
- The water line installation is not warranted by the refrigerator manufacturer. So before you install the water line, read the whole steps for installing and follow these instructions carefully to minimize the risk of expensive water damage.
- Banging pipes (water banging in the pipes) in house plumbing can cause damage to fridge parts and lead to water leakage or flooding. Call a qualified plumber to correct the problem before installing the water supply line to the fridge.
- To prevent burns and product damage, do not hook up the water line to the hot water line.
- Do not install the water line in areas where temperatures fall below freezing.
- When using any electrical device (such as a power drill) during installation, be sure the device is insulated or wired in a manner to prevent electric shock.
- All installations must be in a accordance with local plumbing code requirements.

- Water line Kit and water filter are not covered by Samsung's Warranty. The manufacturer (or dealer, installer) of them is responsible for any defects and all the loss caused by water filter & water line kit.
- The filter should be replaced should be replaced according to manufacturer (or dealer)'s instruction.
- To order additional water filters, please contact the manufacturer (or dealer) of the filter.

Check the accessories listed below.

Water line fixer and screws

Pipe connector



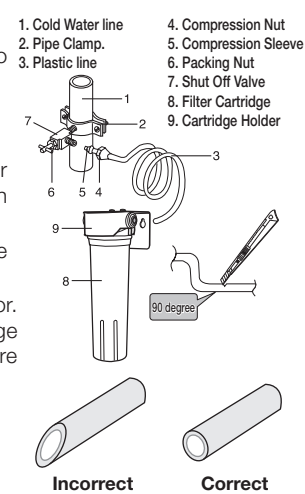
Water line

Using the water filter (not provided)

Connecting to water supply line

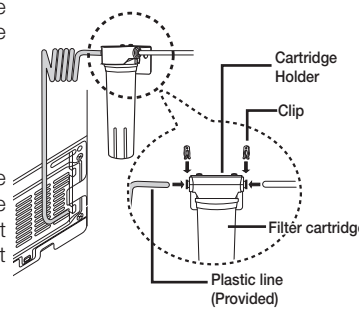
- Shut off the main water supply line and turn the Ice maker to the off position.
- Locate the nearest cold drinking water line.
- Follow the instructions in the water filter installation kit.
- After connecting the water supply line to the Cartridge Holder inlet and installing the Filter Cartridge (insert plastic line in fully).
- Turn on water supply and flush 3L into a bucket to clear the water filter.

- The water filter must be installed outside the refrigerator. It is not provided with your new refrigerator. The filter cartridge (**8**) and holder (**9**) kit can be purchased from the retailer where you purchased this refrigerator.
- Do not use copper line.
- Cut the tubing, making sure the ends are square and clean.



Connect the water line to the fridge

- Connect the plastic line on the back of your fridge to the cartridge holder outlet (fully insert the plastic line to the cartridge holder outlet).
- Insert plastic clip to the cartridge holder inlet and outlet.
- Turn water on and check for any leakage.

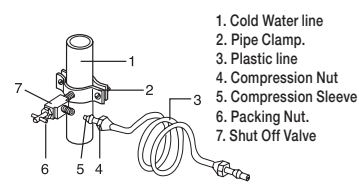


- You can purchase the necessary filter cartridge at the retailer where you purchased this refrigerator. Make sure you buy the SAMSUNG filter cartridge (Replacement cartridge No : DA29-00015A) to ensure the best performance.
- Water line must be connected to drinkable water only
- A compression fitting and nut kit is supplied with the unit and it is inside the fridge drawer.
- When pushing the Refrigerator back, make sure you don't roll over the power cord or water line (Icemaker supply line)

To use without the water filter

Connecting to the water supply line

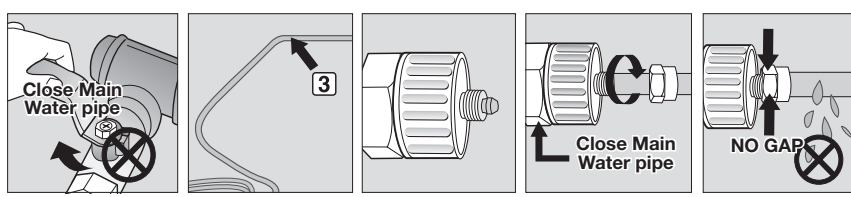
- Shut off the main water supply line and turn the Ice maker to the off position.
- Locate the nearest cold water drinking line.



1. First, shut off the main water supply line.
2. Locate the nearest cold, drinking water line.
3. Follow the Water line Installation Instructions in the installation kit.

CAUTION

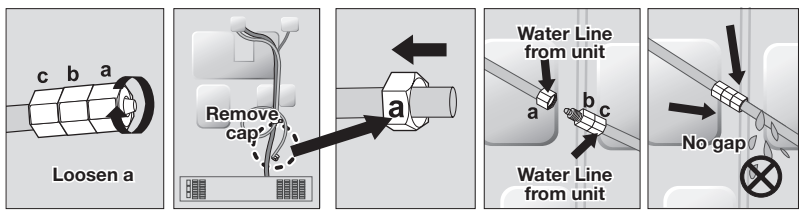
The water line must be connected to the cold water pipe. If it is connected to the hot water pipe, it may cause the purifier to malfunction.



4. After connecting the water supply to the water filter, turn your main water supply back on and dispense about 3L to clear and prime the water filter.

Connecting the water line to the refrigerator

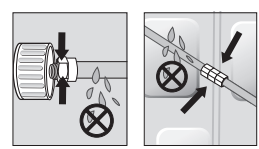
1. Remove the cap from water line on the unit and insert compression nut to the water line on the unit after disassembling from provided water line.
2. Connect both water line from the unit and water line in the kit.
3. Tighten the compression nut onto the compression fitting. There should be no gaps between (A, B & C)
4. Turn water on and check for any leakage.



Only connect the water line to a drinkable water source.
If you have to repair or disassemble the water line, cut off 6.5mm of the plastic tubing to make sure you get a snug, leak-free connection.

CAUTION Before being used, the leakage in these places should be examined

- Samsung Warranty does not cover WATER LINE INSTALLATION.
- It will be done at customer's charge unless the retail price includes installation cost.
- Please contact Plumber or Authorized Installer for the installation if needed.
- If Water leakage occurs due to improper installation, Please contact installer.

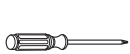


SETTING UP THE REFRIGERATOR

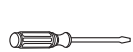
Now that you have your new Refrigerator installed in place, you are ready to set up and enjoy the features and functions of the appliance. By completing the following steps, your Refrigerator should be fully operational.

1. Place the Refrigerator in an appropriate location with reasonable clearance between the wall and the Refrigerator. Refer to installation instructions in this manual. (P8. Selecting the best location for the Refrigerator)
2. Once the Refrigerator is plugged in, make sure the interior light comes on when you open the doors.
3. Set the Temperature control to the coldest temperature and wait for an hour. The Freezer will get slightly chilled and the motor will run smoothly.
4. After powering the Refrigerator, it will take a few hours to reach the appropriate temperature. You can store food and drinks in the Refrigerator after the temperature is sufficiently cool.

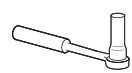
Required Tools (Not provided)



Phillips Head Driver(+)



Flat Head Driver(-)



Socket Wrench
(10mm) (for bolts)

Hex Wrench
(3/16inch)
(for Mid hinge)

Hex wrench
(5/32 inch)
(for Mid hinge shaft)

REMOVING THE REFRIGERATOR DOORS

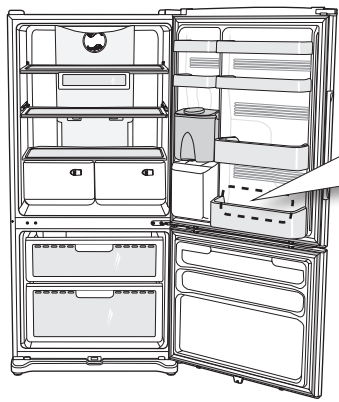
Some installations require door removal to transport the Refrigerator to its final location.
Do not remove the door if it is not needed. Before removing the door make sure you read following items.

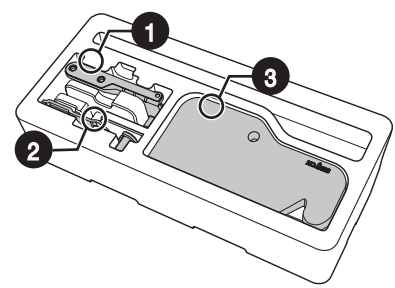
WARNING Disconnect power to the Refrigerator before remove door.

- Be careful not to drop the door and door scratch and damage while removing the door.
- Be careful not to get injured while removing the door.
- After reattaching the door:
  It is possible to have sweat by air leakage.
  It is possible to have uneven door alignment.
  It is possible to have more energy bills.

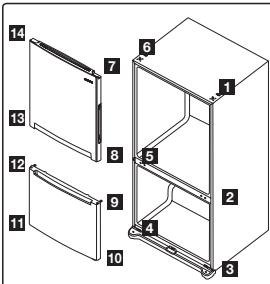
How to reverse the door (OPTION)

Unplug the refrigerator or disconnect the power.
The number on each picture indicates the relevant location of the refrigerator. Refer to the Reference Picture for each location.

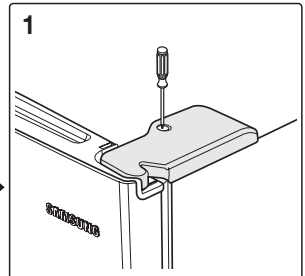




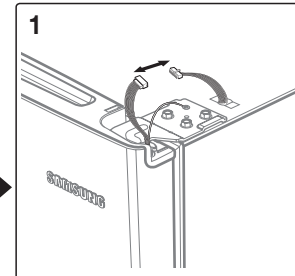
Parts for reversing the door.
You can find these parts in door guard of fridge room.



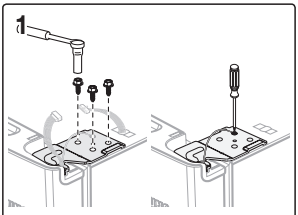
Reference Picture



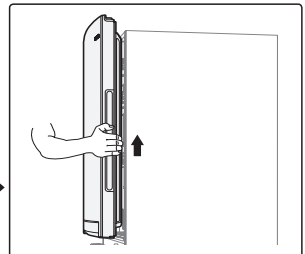
Remove 1 screw and disassemble the right side upper hinge cover.



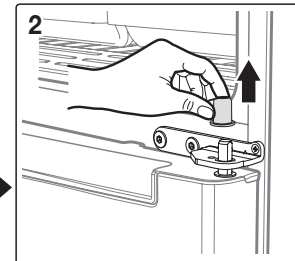
Disassemble 2 connectors.



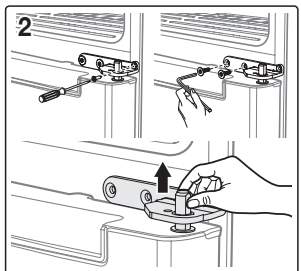
Disassemble ground wire by removing 1 screw, and disassemble right upper hinge by removing 3 bolts. Use caution to avoid wire damage. Be careful not to tip over the fridge door when unscrewing the bolt.



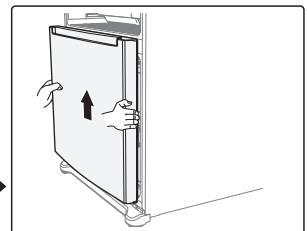
Remove the fridge door by lifting it straight up. Be careful not to drop or scratch the fridge door. (Middle hinge cap may come off with the fridge door.)



Disassemble Middle hinge cap.
(Middle hinge camp may come off with the fridge door when removing the door.)

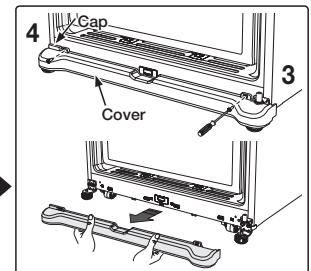


Remove 1 screw (use screwdriver) and 2 bolts (use 3/16 allen wrench), and then remove right side middle hinge.

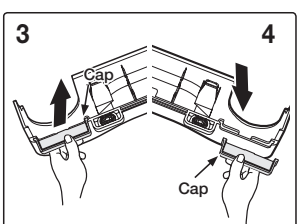


Remove the freezer door by lifting it straight up. (Low hinge cap may come off with the freezer door.)

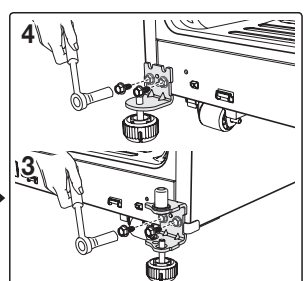
Be careful not to drop or scratch the freezer door.



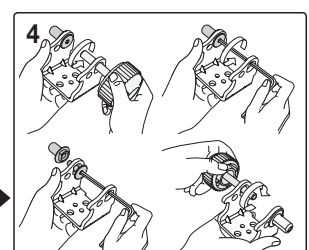
Separate front leg cover by removing 2 screws.



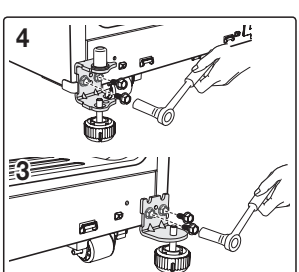
Separate the cap of the front left leg side of the Cover and insert it on the front right leg side of the Cover.



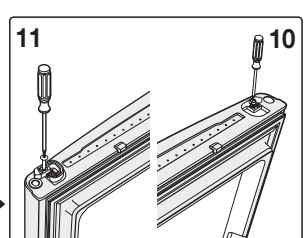
Remove 2 bolts of each hinge and remove both right and left side bottom hinges.



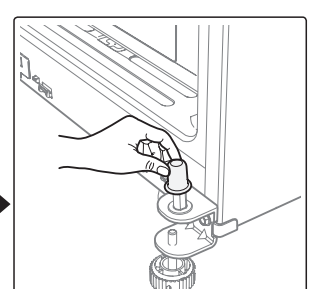
Separate low hinge shaft by using 5/32 wrench and disassemble low hinge leg by turning it colockwise, and then assemble the low hinge by turning it over.



Reattach the former right hinge on the left side and the former left hinge on the right side by using 2bolts.

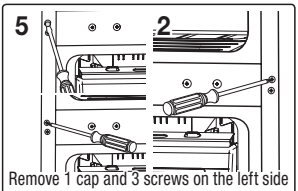


Separate stopper by removing 1 screw on the right lower side of freezer and assemble the stopper on the left side by reversing it.

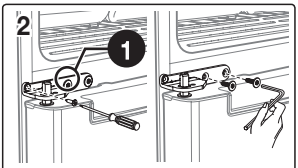


Replace the bottom hinge cap cover.

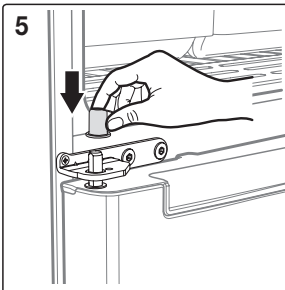
setting up your refrigerator



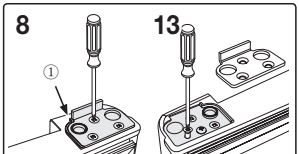
Remove 1 cap and 3 screws on the left side of the refrigerator where you will reattach the left side middle hinge. (Refer to the left picture.) And replace them on the former right side middle hinge position like the right picture. When removing 2 plastic screws, pick them up with tweezers (forceps, nippers, pliers) while turning them with screwdriver(+).



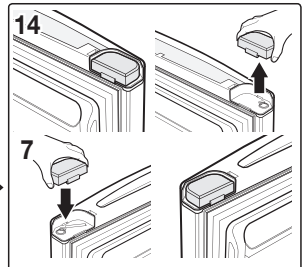
Replace the freezer door on the left side bottom hinge. Replace the left side middle hinge. You can get it from the installation tool (box) supplied with your new Samsung refrigerator. And reattach it by using 1 screw and 2 bolts. (Should use screwdriver(+) for screw and wrench for bolts.)



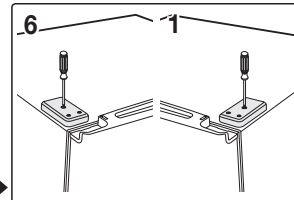
Cover the middle hinge cap.



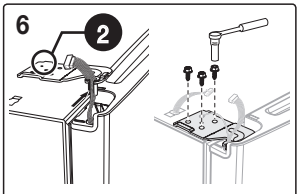
Separate the stopper(①) by removing 3 screws on the right side. (Refer to the picture.) And replace them on the right side. Remove 3 screws on the left side. (Refer to the picture.) And then, replace the stopper(①) separated from the right side. And reattach it by using those removed 3 left side screws on the left side.



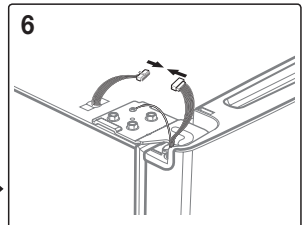
After removing cap on the upper left side of fridge door, reattach the fridge door on the right side.



Separate the cover on the left upper side of refrigerator by removing 1 screw, and reattach it on the right upper side. (Be careful not to strip wire coating.)

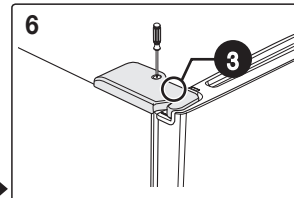


Assemble the left upper hinge on the left side by using 3 bolts and reattach the ground wire using 1 screw. You can get the hinge from the installation tool box supplied with your new Samsung refrigerator. (Be careful not to tip over the fridge door and have wire damage.)



Assemble 2 connectors.

(If it is not connected, error message will be shown on the display)



Replace the left upper hinge cover with using 1 screw. You can get it from the installation tool box supplied with your new Samsung refrigerator.

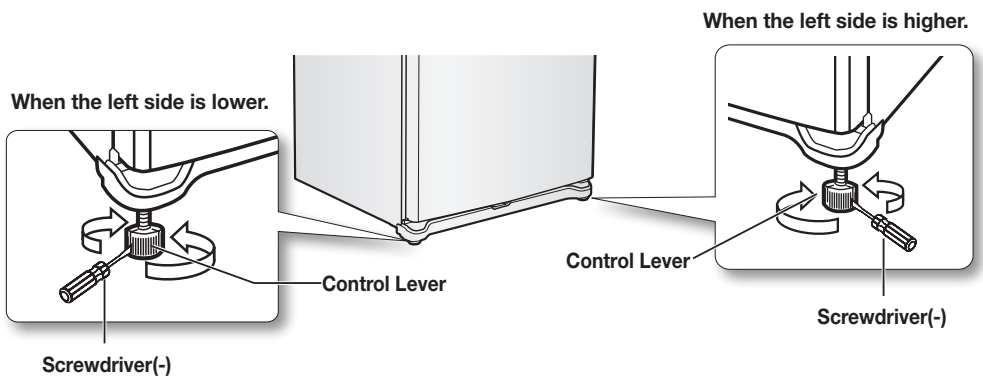
Check the door alignment, opening, and inner lamp operation by opening the fridge and freezer doors.

LEVELING THE REFRIGERATOR

After putting the doors back on the Refrigerator, make sure the Refrigerator is level so that you can make final adjustments.
If the Refrigerator is not level, it will not be possible to get the doors perfectly even.
Also it is possible to sweat in the refrigerator and ask more energy bills.

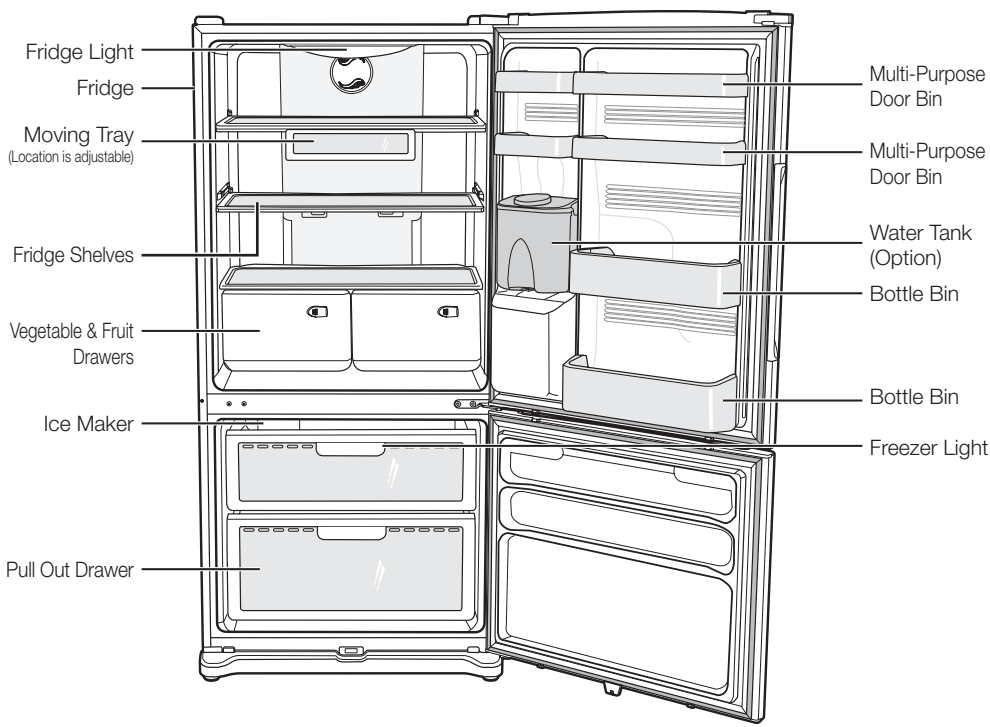
For example, when the left side is lower than the right side, insert a flat-blade screwdriver into a notch on the left control lever, and turn it clockwise or counter clockwise to level the door.
Turning it clockwise to raise the refrigerator and counterclockwise to lower it.
For the left side is higher, do it with right lever.

WARNING Both control levers must be surely touching the floor to avoid the possible personal injury or property damage because of tipping.



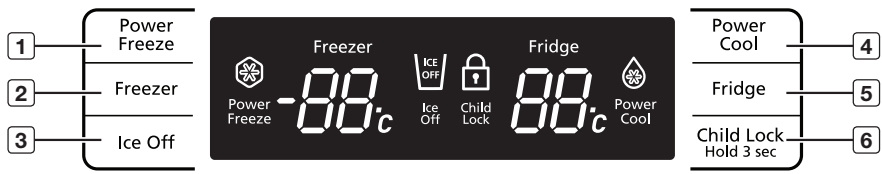
PARTS AND FEATURES

Use this page to become more familiar with the parts and features of the Refrigerator.

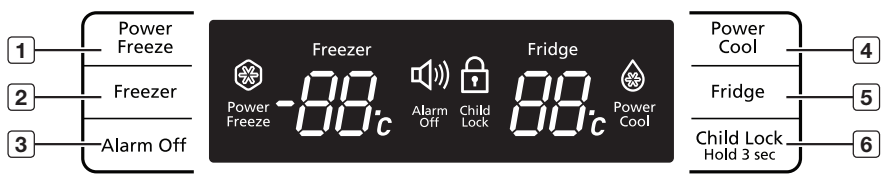


USING THE CONTROL PANEL

1. For auto ice maker model



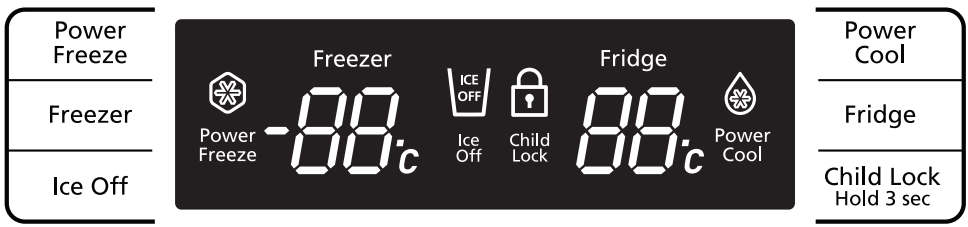
2. For normal ice maker model



Temperature & Function select / control panel

(1) Power Freeze Button	Press this button to freeze food quickly. (Power Freeze will last 2 and a half hours.)
(2) Freezer Button	Freezer temperature set button. Press this button to set the Freezer temp between -14ºC and -25ºC. (At initial power on, the default setting is -19ºC.)
(3) Ice Off Button (Option)	When the **Ice Off Button** is pressed, ice will not be produced. Use this function only when it is needed.
(3) Alarm Off Button (Option)	When the **Alarm Off Button** is pressed, alarm will not sound in case of door open. Use this button only when it is needed.
(4) Power Cool Button	Press this button to cool the food in the fridge quickly. (Power Cool will shut off when -4ºC is reached or after 2 and a half hours.
(5) Fridge Button	Fridge temperature set button. Press this button to set the Fridge temperature in 1ºC intervals between 7ºC and 1ºC. (At initial power on, the default setting is 3ºC.)
(6) Child Lock Hold 3 sec Button	When pressing this button for 3 sec., the display function is locked or unlocked. (Key lock or unlock)

CONTROLLING THE TEMPERATURE



Setting the freezer temperature

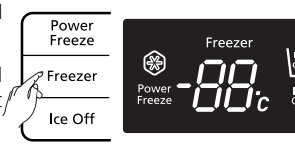
If you want to control the freezer temperature, follow as below.

Press the **Freezer** Button (Refer the picture)

- The temperature can be set in 1ºC interval between -25ºC and -14ºC.
- Each time the **Freezer** Button is pressed, the temperature setting will change as follows; (-19ºC → -20ºC → -21ºC → -22ºC → -23ºC → -24ºC → -25ºC → -14ºC → -15ºC → -16ºC → -17ºC → -18ºC → -19ºC)

When selecting the temperature, the set temperature is displayed initially for 5 seconds, then the actual temperature is displayed.

(There may be slight difference between the set temperature and displayed actual temperature, but it will be corrected to the set temperature automatically.)



- The Freezer temperature will change depending on the number of door openings, quantity of food, ambient temperature, etc.
- Temperature of each shelve in the freezer may be different.
- The temperature display will blink when freezer temperature increases due to frequent door opening, keeping warm food, etc.

(Blinking will stop when the refrigerator reaches normal temperature. If for some reason it does not stop after a long period of time, contact a Samsung service center.)

Setting the fridge temperature

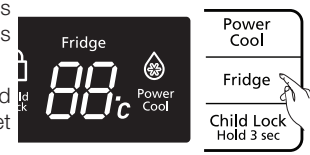
If you want to control the fridge temperature, follow as below.

Press the **Fridge** Button (Refer the picture)

- The temperature can be set in 1ºC interval between 1ºC and 7ºC.
- Each time the **Fridge** Button is pressed, the temperature setting will change as follows; (3ºC → 2ºC → 1ºC → 7ºC → 6ºC → 5ºC → 4ºC → 3ºC)

When selecting the fridge temperature, the set temperature is displayed initially for 5 seconds, then the actual temperature is displayed.

(There may be slight difference between the set temperature and displayed actual temperature, but it will be corrected to the set temperature automatically.)



- The Fridge temperature will change depending on the number of door openings, quantity of food, ambient temperature, etc.
- Temperature of each shelve or container in the fridge may be different.
- The temperature display will blink when fridge temperature is increases due to frequent door opening, keeping warm food, etc.

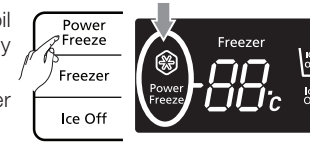
(Blinking will stop when the refrigerator reaches normal temperature. If for some reason it does not stop after a long period of time, contact a Samsung service center.)

If you want to make ice faster (Controlling the Power Freeze)

Speeds up the time needed to freeze products in the freezer.

This can be helpful if you need to quickly freeze items that spoil easily or if the temperature in the freezer as warmed dramatically (For example, if the door was left open).

This function must be activated before putting large stuff in freezer compartment at least 24 hours before.



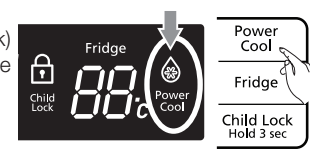
If you want to speed up the cooling in the Fridge (Power Cool)

Press the **Power Cool** Button. (Refer the picture.)

- The Power cool light on the display goes on (see the arrow mark) and this function begins to operate regardless of the set fridge temperature.

Press the **Power Cool** Button again to cancel this function.

- The light goes off and it operates at the set fridge temperature again.



The Power Cool function operates for 2 and a half hours regardless of the set temperature.

Cooling Off Mode (“OF & OF” code on the display)

This function is for store display refrigerators. It is not for customer use.

CAUTION In Cooling Off Mode, the refrigerator works but doesn’t make cool air. To cancel this mode, press the Power Freeze and Freezer buttons at the same time for 3 seconds until a “Ding-dong” sound is heard and the unit will now cool.

MAKING ICE

Auto Ice Maker Model

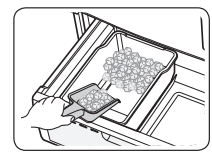
Take out the ice by using the shovel.

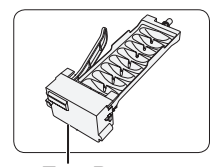
The ice maker will produce 8 cubes per cycle - approximately 100~130 cubes in a 24-hour period, depending on freezer compartment temperature, room temperature, number of door openings and other use conditions. Throw away the first few batches of ice to allow the water line to clear. Be sure nothing interferes with the sweep of the feeler arm.

When the bin fills to the level of the feeler arm, the icemaker will stop producing ice. After the icemaker has been turned on again, there will be a time delay before the icemaker resumes operation. It is normal for several cubes to be joined together.

If ice is not used frequently, old ice cubes will become cloudy,taste stale and shrink.

So if you don't want to make ice, press the Ice Off button.

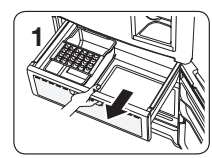


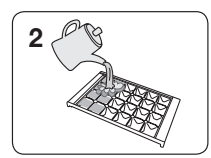


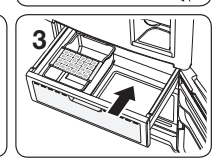
Test Button

Ice Tray Model

1. Pull out the Ice-tray.
2. Pore water in up to the Ice-tray.
3. Put the Ice-tray on the Ice-bucket.
   And close the freezer door.

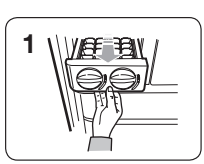


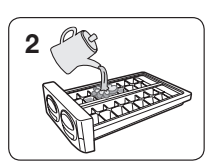


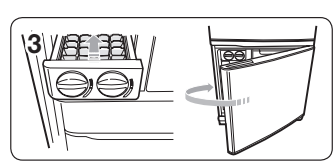


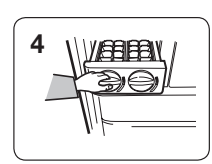
Twist Ice Maker Model

1. Pull out the Ice-cube trays.
2. Fill trays up to the water level mark(arrow).
3. Put the Ice-cube trays back in position. And close the freezer door.
4. Once the water has become frozen, turn the dials on the Ice cube trays to empty Ice cubes into the storage bin.









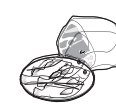
STORING FOOD IN THE REFRIGERATOR

The Samsung Refrigerator has been designed to provide you with maximum space saving features and functions. Here are some of the customized compartments we have created to keep your food fresher longer. In order to further prevent odor from seeping into the ice compartment, stored food should be wrapped securely and as airtight as possible.

Moving Tray	Can be used to store small dairy items like butter or margarine, yogurt or cream cheese bricks	**butter/cheese**
Bottle Bin	Designed to handle large, bulky items such as gallons of milk or other large bottles and containers.	
Fridge Shelves	Designed to be crack-resistant, the shelves can be used to store all types of food and drinks. Circular marks on the glass surface are a normal phenomenon and can usually be wiped clean with a damp cloth.	
Vegetable & Fruit Drawers	Used for preserving the freshness of your stored vegetables and fruits. This drawer has been specifically designed to control the level of humidity within the compartment. Keep vegetables and fruits separate when possible.	

Do not place any large articles of food under the lamp in the Refrigerator. An air sensor is located near the lamp and if the sensor is blocked, your Refrigerator may become too cold. Please place Vegetable and Fruits in the Vegetable and Fruits Drawers to avoid freezing them. If the food in your Refrigerator becomes frozen, please set the temperature higher.

STORING FOOD IN THE FREEZER DRAWER

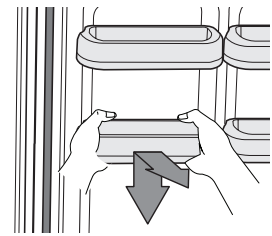
Pull Out Drawer	Best used to store meats or dry foods. Stored food should be placed in a container or wrapped securely using plastic wrap or other suitable wrapping materials.	
Freezer Drawer Bin	Can be used to store meat and dry foods. Stored food should be placed in a container or wrapped securely using plastic wrap or other suitable wrapping materials.	

Bottles should be stored tightly together so that they do not tip and fall out when the Refrigerator door is opened.

If you plan to go away for a long time, empty the Refrigerator and turn it off. Wipe the excess moisture from the inside of the appliance and leave the doors open. This helps keep odor and mold from developing.

REMOVING AND RELOCATING THE FRIDGE ACCESSORIES

1. Door Bins



To remove - Simply lift the bin up and pull straight out.

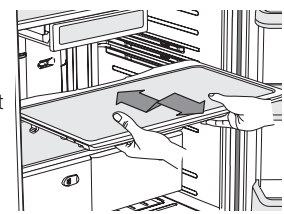
To replace - Slide it in above the desired location and push down until it stops.

CAUTION Injury may occur if the door bins are not firmly inserted. Do not allow children to play with bins. Sharp corners of the bins may cause injury.

Do not adjust a bin full of foods.

Dust removal method -Remove the guard and wash in water.

2. Fridge shelves

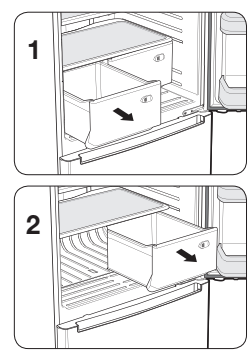


To remove - When pulling out the shelf, if it does not slide out easily, lift it up slightly and pull out again.

To replace - When pushing in the shelf, if it does not slide in easily, lift it up slightly and push in again.

CAUTION The Glass shelves are heavy. Use special care when removing them.

3. Vegetable & Fruit Drawers



To remove - Pull the drawer out to full extension. Tilt up the front of the drawer and pull straight out.

To replace - Insert the drawer into the frame rails and push back into place.

The drawers need to be removed before the glass shelf above them can be lifted out.

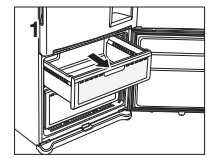
REMOVING THE FREEZER ACCESSORIES

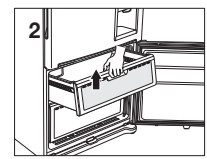
1. Pull Out Drawer

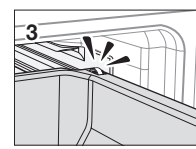
To remove - Pull the drawer out to full extension.
Tilt up rear of drawer and lift straight out.
(Refer to picture 1 & 2)

Open the freezer door fully and remove the drawer.

To replace - Place the drawer onto the rails by tilting it up. Lower the drawer into place until it is horizontal and slide the drawer in.
(Refer to picture 3)





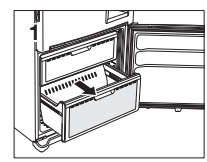


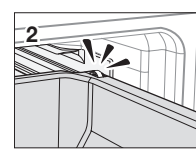
2. Freezer Drawer Bin

To remove - Pull the drawer out fully. Tilt up the rear of the bin and lift it out to remove.

To replace - Place the bin into the rail assembly.

When replacing, place the drawer bin holder into the hole of the rail

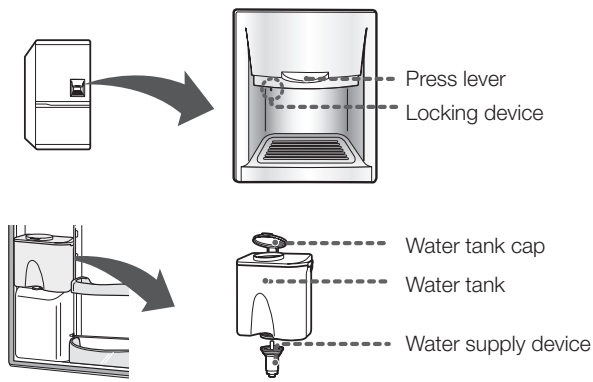




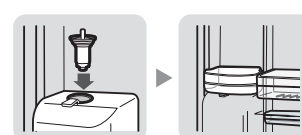
USING THE WATER DISPENSER (OPTION)

You can easily obtain chilled water with the water dispenser without opening the refrigerator door. In addition, you can save electricity by reducing the number of times the door is opened by more than 30%.

Overview



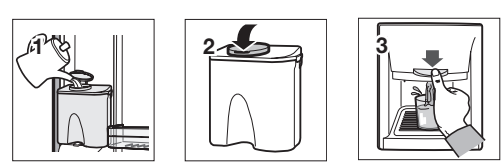
When the water dispenser is not in use, the following is recommended



1. Fix the water supply device tightly into the fixing hole.
   - The door will not close automatically when the water supply device is pulled out for a long time due to the leakage of cold air.
2. Place a spare beverage bottle by the exclusive water tank.
   - Two 1.5 litre bottles can be used.
3. Set the locking device to the “LOCK”
   - When pressing the “PUSH” button with the water supply device only fixed at the fixing hole, and the locking device is set on “OPEN”, the water supply device can be removed from the fixing hole and cold leaks.

When exposing to child, set the locking device to the “LOCK”.

Filling the water tank



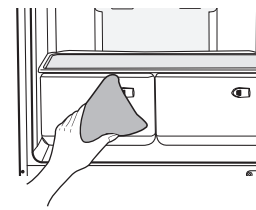
1. Open the water tank by removing the round cap and fill it with drinking water. (Do not use hot water.)
   - Fill the tank up to the full level (just below 4.2 litres).
2. Replace the round cap by pushing down on it until it clicks into place.
3. Place a cup on the cup support, then press the “PRESS” lever.

CLEANING THE REFRIGERATOR

Caring for your Samsung Refrigerator prolongs the life of your appliance and helps keep it odor and germ-free.

Cleaning the Interior

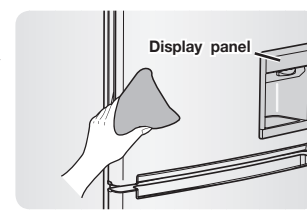
Clean the inside walls and accessories with a mild detergent and then wipe dry with a soft cloth. You can remove the drawers and shelves for a more thorough cleaning. Just make sure to dry drawers and shelves before putting them back into place.



Cleaning the Exterior

Wipe the display panel with damp, clean, soft cloth. Do not spray water directly on the surface of the Refrigerator.

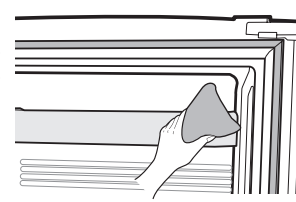
The doors, handles and cabinet surfaces should be cleaned with a mild detergent and then wiped dry with a soft cloth. To keep your appliance looking its best, the exterior should be polished once or twice a year.



CAUTION Do not use Benzene, Thinner, car detergent, or Clorox for cleaning. They may damage the surface of the appliance and may cause fire.

Cleaning the Rubber door seals

If the rubber door seals are dirty, the doors may not close properly, and the Refrigerator will not operate efficiently. Keep the door seals free of grit or grime by cleaning the doors with a mild detergent and damp cloth. Wipe dry with a clean, soft cloth.



Cleaning behind the Refrigerator

To keep cords and exposed parts free of dust and dirt accumulation, vacuum behind the appliance once or twice a year.

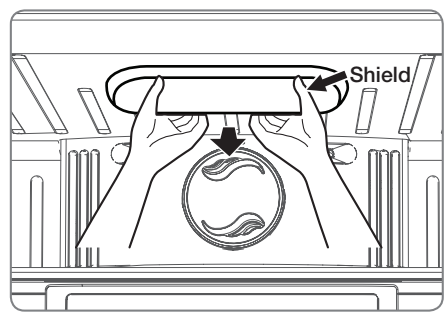
CAUTION Do not remove the back cover. Doing so may cause an electric shock.

Replacing the interior light (Only available on some models)

CAUTION Before changing any of interior lights, unplug the Refrigerator from the power supply.
If you are unsure about changing the lights after reading through these directions, contact a Samsung service center for help.

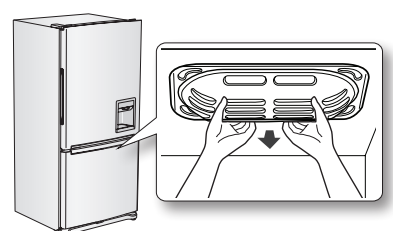
Changing the Interior Light in the Refrigerator

1. Unplug the power cord from the outlet.
2. Pull the shield down while pushing it backwards to remove it.
3. The light bulb may be hot so be careful when touching the bulb.
4. Turn the bulb counterclockwise.
5. Assembly is the reverse order of disassembly.

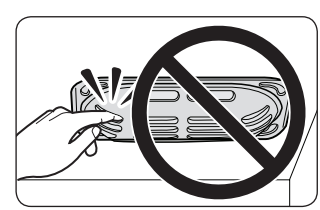


Changing the Interior Light in the Freezer

1. Unplug the power cord from the outlet.
2. Pull drawer out to full extension.
3. Pull the shield down while pushing it backwards to remove it.
4. The light bulb may be hot.
   Be careful when touching the bulb.
5. Turn the bulb counterclockwise.
6. Assembly is the reverse order of disassembly.



CAUTION Do not place your fingers inside the cover.
The light bulb may be hot.



For LED lamp, please contact service engineer to replace it.

troubleshooting

PROBLEM	SOLUTION
The Refrigerator does not work at all or it does not chill sufficiently.	• Check that the power plug is properly connected. • Is the temperature control on the display panel set to the correct temperature? Try setting it to a lower temperature. • Is the refrigerator in direct sunlight or located near a heat source? • Is the back of the refrigerator so close to the wall that air cannot keep circulating? (Refer to page 10 for the best location.)
The food in the Refrigerator is frozen.	• Is the temperature control on the display set to the correct temperature? Try setting it to a warmer temperature. • Is the temperature in the room too low? • Did you store the food too close to the air vent at the back of the refrigerator? Move the food away from the air vent.
You hear unusual noise or sounds.	• Check that the refrigerator is level and stable. • Is the back of the refrigerator too close to the wall and therefore keeping air from circulating? • Was anything dropped behind or under the refrigerator? • A “ticking” sound is heard from inside the refrigerator. It is normal and occurs because various accessories are contracting or expanding according to the temperature of the refrigerator interior.
The front corners and horizontal hinged section of the appliance are hot and condensation is occurring.	• Some heat is normal as anti-condensators are installed in the horizontal hinged section of the refrigerator to prevent condensation. • Is the refrigerator door ajar? Condensation can occur when you leave the door open for a long time.
Ice Maker is not producing ice. (Option)	• Did you wait for 12 hours after installation of the water supply line before making ice? • Is the water line connected and the shut-off valve opened? • Did you manually stop the ice making function? • Is the freezer temperature too warm? Try setting the freezer temperature lower.
You hear water bubbling in the Refrigerator.	• This is normal. The bubbling comes from the refrigerator coolant liquid circulating through the refrigerator.
There is a bad smell in the Refrigerator.	• Check for spoiled food. • Foods with strong odors (for example, fish) should be tightly covered. • Clean out your freezer periodically and throw away any spoiled or suspicious food.
Frost forms on the walls of the Freezer.	• Is the air vent blocked? Remove any obstructions so air can circulate freely. • Allow sufficient space between the foods stored for efficient air circulation. • Is the freezer drawer closed properly?

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Ambient Room Temperature Limits

This fridge/freezer is designed to operate in ambient temperatures specified by its temperature class marked on the rating plate.

Class	Symbol	Ambient Temperature range(°C)
Extended Temperate	SN	+10 to +32
Temperate	N	+16 to +32
Subtropical	ST	+16 to +38
Tropical	T	+16 to +43

NOTE: Internal temperatures may be affected by such factors as the location of the fridge/freezer, ambient temperature and the frequency with which you open the door. Adjust the temperature as required to compensate for these factors.

In an effort to promote recycling this user manual is printed on recycled paper.